

# AUTOMATIC CHANGEOVER CIRCUIT FOR POLARITY OF SYNCHRONIZING SIGNAL OF MONITOR DEVICE

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## Abstract of JP 4225393 (A)

**PURPOSE:** To decrease an operator's burden by providing a deciding circuit which automatically decides the polarity of the synchronizing signal inputted from an external device.

**CONSTITUTION:** The output signal e of a 1st averaging circuit 16a is always smaller than the output signal f of a 2nd averaging circuit 16b over the entire period of one period. Consequently, a comparator circuit 21 continuously transmits the polarity decision signal g of a low level to a polarity changeover circuit 22 and a changeover switch 22a is connected to a terminal a side. Then, the synchronizing signal a of the negative polarity inputted from the external device is inverted in signal level by an inverter 22b and is converted to the synchronizing signal h of the negative polarity. This signal is outputted from an output terminal 23. Even if the synchronizing signal a inputted to the monitor device in such a manner is either of the positive polarity or the negative polarity, the polarity is automatically matched with the polarity of the synchronizing signal to be used in the monitor device.

